What is claimed is:

1. A method comprising:
collecting data regarding a current association in a wireless network; and
storing the data for use in future association decisions.

2. The method of claim 1 wherein storing the data comprises storing data in memory in a network interface.

3. The method of claim 1 wherein storing the data comprises storing data in host memory.

4. The method of claim 1 wherein the data includes data throughput of the current association.

5. The method of claim 1 wherein the data includes a duration of the current association.

6. The method of claim 1 wherein the data includes a reason for disassociation of the current association.

7. The method of claim 1 wherein the data includes a number of previous associations.

8. The method of claim 1 wherein the method is performed at least in part by software on a host system.

9. A method comprising:
accessing association history data for at least one access point in a wireless network; and

selecting an access point based at least in part on the association history data.

10. The method of claim 9 wherein accessing association history data comprises accessing host memory.

11. The method of claim 9 wherein accessing association history data comprises accessing memory in a wireless network interface.

12. The method of claim 9 wherein accessing association history data comprises accessing a duration of a last association.

13. The method of claim 9 wherein accessing association history data comprises accessing a reason for disassociation.

14. The method of claim 9 wherein accessing association history data comprises accessing an average throughput for past associations.

15. The method of claim 9 wherein accessing association history data comprises accessing a number of previous associations.

16. The method of claim 9 wherein the method is performed at least in part by software embedded in a wireless network interface.

17. The method of claim 9 wherein the method is performed at least in part by software on a host system.

18. A method comprising:

collecting historical association data at a wireless network interface; and

passing the historical association data to a media access control layer running in a software driver on a host system, to allow the data to be saved using resources of the host system.

19. The method of claim 18 wherein accessing association history data comprises accessing a duration of a last association.

20. The method of claim 18 wherein accessing association history data comprises accessing a reason for disassociation.

21. The method of claim 18 wherein accessing association history data comprises accessing an average throughput for past associations.

22. An apparatus including a medium adapted to hold machine-accessible instructions that when accessed result in a machine performing:

accessing association history data for at least one access point in a wireless network; and

selecting an access point based at least in part on the association history data.

23. The apparatus of claim 22 wherein accessing association history data comprises accessing a duration of a last association.

24. The apparatus of claim 22 wherein accessing association history data comprises accessing an average throughput for past associations.

25. An apparatus comprising:

a radio interface to interact with a wireless network, and

a processor coupled to the radio interface, wherein the processor is adapted to maintain historical association data for at least one access point, and is further

adapted to make association decisions based at least in part on the historical association data.

26. The apparatus of claim 25 wherein the processor is adapted to choose an access point that has a history of a longer association duration for past associations.

27. The apparatus of claim 25 wherein the processor is adapted to choose an access point that has a history of higher data throughput for past associations.

28. An electronic system comprising:

an omni-directional antenna;

a radio interface coupled to the omni-directional antenna to interact with a wireless network, and

a processor coupled to the radio interface, wherein the processor is adapted to maintain historical association data for at least one access point, and is further adapted to make association decisions based at least in part on the historical association data.

29. The electronic system of claim 28 wherein the processor is adapted to choose an access point that has a history of a longer association duration for past associations.

30. The electronic system of claim 28 wherein the processor is adapted to choose an access point that has a history of higher data throughput for past associations.